

IN THE CLAIMS

Please amend claims 1, 7 and 10 as follows:

1. (Currently Amended) An isolated nucleic acid molecule comprising a nucleic acid sequence selected from the group consisting of (a) a nucleic acid sequence that encodes a protein having an amino acid sequence selected from the group consisting of SEQ ID NO:6, SEQ ID NO:64, and SEQ ID NO:65, and variants thereof that are at least 95% identical to an amino acid sequence selected from the group consisting of SEQ ID NO:6, SEQ ID NO:64 and SEQ ID NO:65, wherein said protein has ecdysone receptor activity; and (b) a nucleic acid sequence fully complementary to a nucleic acid sequence of (a).

2. (Canceled)

3. (Previously Amended) The nucleic acid molecule of Claim 1, wherein said nucleic acid molecule is selected from the group consisting of: (a) a nucleic acid molecule comprising a nucleic acid sequence selected from the group consisting of SEQ ID NO:5, SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:10.

4. (Previously Amended) The nucleic acid molecule of Claim 1, wherein said nucleic acid molecule encodes a protein comprising an amino acid sequence selected from the group consisting of SEQ ID NO:6, SEQ ID NO:64, and SEQ ID NO:65.

5. (Original) A recombinant molecule comprising a nucleic acid molecule as set forth in Claim 1 operatively linked to a transcription control sequence.

6. (Original) A recombinant cell comprising a nucleic acid molecule as set forth in Claim 1.

7. (Currently Amended) A method to produce a protein, said method comprising (a) culturing a cell transformed with an isolated nucleic acid molecule comprising a nucleic acid sequence that encodes a protein having an amino acid sequence selected from the group

consisting of SEQ ID NO:6, SEQ ID NO:64, and SEQ ID NO:65, and variants thereof that are at least 95% identical to an amino acid sequence selected from the group consisting of SEQ ID NO:6, SEQ ID NO:64 and SEQ ID NO:65, wherein said protein has ecdysone receptor activity; and (b) recovering the expressed protein.

8. (Cancelled)

9. (Previously Amended) The method of Claim 7, wherein said protein comprises an amino acid sequence selected from the group consisting of SEQ ID NO:6, SEQ ID NO:64, and SEQ ID NO:65.

10. (Currently Amended) A composition comprising an excipient and an isolated nucleic acid molecule comprising a nucleic acid sequence selected from the group consisting of (a) a nucleic acid sequence that encodes a protein having an amino acid sequence selected from the group consisting of SEQ ID NO:6, SEQ ID NO:64, and SEQ ID NO:65, and variants thereof that are at least 95% identical to an amino acid sequence selected from the group consisting of SEQ ID NO:6, SEQ ID NO:64 and SEQ ID NO:65, wherein said protein has ecdysone receptor activity; and (b) a nucleic acid sequence fully complementary to a nucleic acid sequence of (a).

11. (Cancelled)

12. (Previously Amended) The composition of Claim 10, wherein said nucleic acid molecule comprises a nucleic acid sequence selected from the group consisting of SEQ ID NO:5, SEQ ID NO:7, SEQ ID NO:8, and SEQ ID NO:10.

13. (Previously Amended) The composition of Claim 10, wherein said nucleic acid molecule encodes a protein comprising an amino acid sequence selected from the group consisting of SEQ ID NO:6, SEQ ID NO:64, and SEQ ID NO:65.